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[KR/KR]; #108-1103 Daelimdure Apt., Sinseong-dong, Yuseong-gu, Daejon 305-720 (KR). **CHOI, Hyung-Do** [KR/KR]; 16-42, Dapsimni 4-dong, Dongdaemun-gu, Seoul 130-800 (KR). **PACK, Jeong-Ki** [KR/KR]; 220, Gung-dong, Yuseong-gu, Daejon 305-355 (KR).

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(74) Agent: **SHINSUNG PATENT FIRM**; 2F, Line Bldg., 823-30 Yeoksam-dong, Gangnam-ku, Seoul 135-080 (KR).

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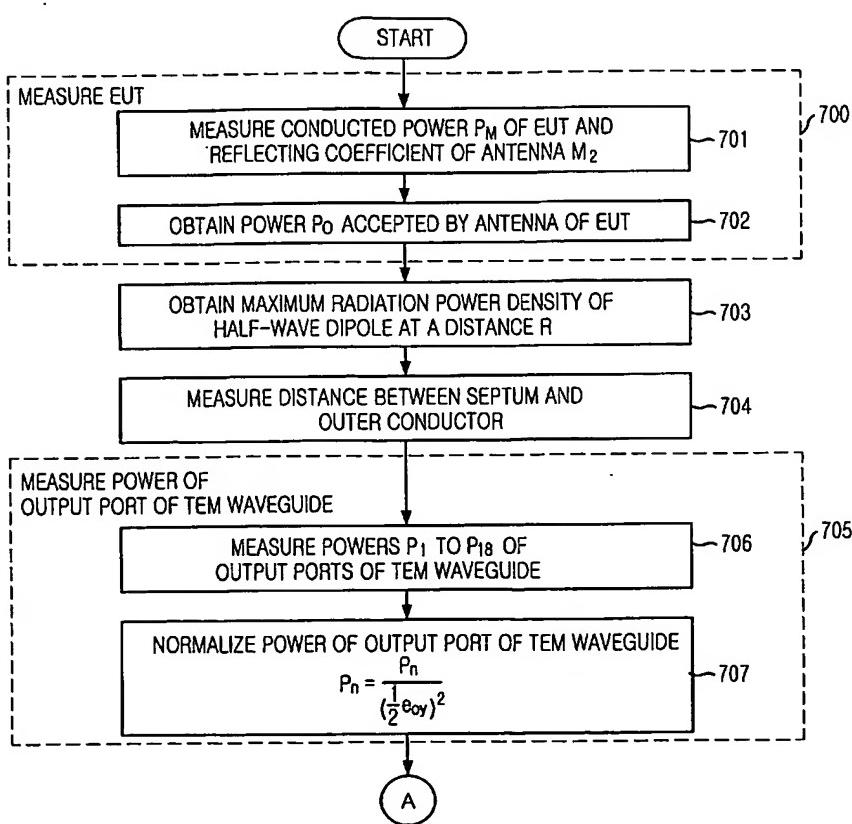
(71) Applicant (for all designated States except US): **ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE** [KR/KR]; 161, Gajeong-dong, Yuseong-gu, Daejon 305-350 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, Ae-Kyoung**

*[Continued on next page]*

(54) Title: METHOD FOR MEASURING ELECTROMAGNETIC RADIATION PATTERN AND GAIN OF RADIATOR USING TEM WAVEGUIDE



(57) Abstract: A method for measuring electromagnetic radiation pattern and gain of radiator using TEM waveguide is disclosed. The method includes the steps of: a) measuring powers of output port of a transverse electric and magnetic (TEM) waveguide by changing arrangements of the radiator located within the TEM waveguide; and b) estimating a radiation power density of the radiator in free space, wherein the radiator is modeled as a dipole moment based on the powers of the output port of the TEM waveguide.

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